

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: D. OGURO, et al.  
Serial No.: 10/758,122  
Filed: January 16, 2004  
Title: RESIST COMPOSITION  
Group: 1752  
Examiner: Cynthia Hamilton  
Confirmation No.: 5009

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 AND 1.98**

**Mail Stop: AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

June 10, 2005

SIR:

Pursuant to Applicants' duty of disclosure, enclosed please find an European Search Report, and copies of documents cited therein, in connection with an European Patent Application corresponding to the above-identified application. Also enclosed is a Form PTO/SB/08A and B, listing the enclosed documents.

This Information Disclosure Statement is being submitted subsequent to a first Office Action on the merits in the above-identified application, but prior to a Final Office Action, or issuance of a Notice of Allowance, or issuance of any other action closing prosecution on the merits in the above-identified application. For satisfying the requirements of 37 CFR 1.97(c), the following Statement is made under 37 CFR 1.97(e):

Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Note that the enclosed Communication for transmitting the enclosed European Search Report is dated March 10, 2005.

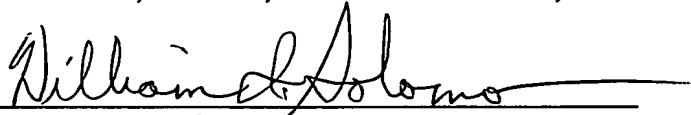
To the extent that the enclosed documents are not in English, it is respectfully submitted that requirements of 37 CFR 1.98(a) are satisfied by citation in the enclosed European Search Report of relevant passages in the enclosed documents, and/or by English-language abstracts of the respective non-English language documents.

In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR 1.97 and 1.98 have been satisfied, in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, upon further examination of the above-identified application, is respectfully requested.

Applicants request any shortage or excess in fees in connection with the filing of this paper be charged or credited to the Deposit Account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 396.43415X00).

Respectfully submitted,

**ANTONELLI, TERRY, STOUT & KRAUS, LLP**

By 

William I. Solomon  
Registration No. 28,565

WIS/ksh  
1300 N. Seventeenth Street  
Suite 1800  
Arlington, Virginia 22209  
Tel: 703-312-6600  
Fax: 703-312-6666

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**June 10, 2005**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/758,122
Filing Date	01/16/2004
First Named Inventor	D. OGURO
Art Unit	1752
Examiner Name	Cynthia Hamilton
Attorney Docket Number	396.43415X00

Sheet

1

of

2

Attorney Docket Number

**396.43415X00**

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP 2002-99089	04/2002	T. KAI		A
		JP 2002-99088	04/2002	T. KAI		A
		JP 2000-305270	11/2000	Y. SHIROTA		A
		JP 2002-328466	11/2002	T. FUJIGAYA		A

Examiner  
Signature

Date \_\_\_\_\_

Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <b>June 10, 2005</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/758,122		
		Filing Date	01/16/2004		
		First Named Inventor	D. OGURA		
		Group Art Unit	1752		
		Examiner Name	Cynthia Hamilton		
Sheet	2	of	2	Attorney Docket Number	396.43415X00

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite <sup>1</sup> No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		European Search Report, for Application No. EP 04 00 0825, dated March 10, 2005 (4 pp.)	
		A. R. Trimble, et al., "Patterning of Hyperbranched Resist Materials by E-beam", <i>Advances in Resist Technology and Processing XVII</i> , Vol. 3999, pp. 1198-1201 (2000).	
		T. Kadota, et al., "Creation of Low Molecular-weight Organic Resists for Nanometer Lithography", <i>Advances in Resist Technology and Processing XVII</i> , Vol 4345, pp. 891-902 (2001).	
		D. C. Tully, et al., "Dendrimer-Based Chemically Amplified Resists for Sub-100 nm Lithography", <i>Advances in Resist Technology and Processing XVII</i> , Vol. 3999, pp. 1202-1206 (2000).	
		D. C. Tully, et al. "Dendrimers with Thermally Labile End Groups: An Alternative Approach to Chemically Amplified Resist Materials Designed for Sub-100 nm Lithography", <i>Advanced Materials</i> , Vol. 12, No. 15, pp. 1118-1122 (August 2, 2000).	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2